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प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

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No. 18] NEW DELHI, SATURDAY, APRIL 30, 1994 (VAISAKHA 10, 1916)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Design.]

THE PATENT OFFICE PATENTS AND DESIGNS

Calcutta, the 30th April 1994

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Bombay-400 013

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Telegraphic address "PATOFFICE".

Patent Office Branch,
Unit No 401 to 405, III Floor,
Municipal Market Building,
Sarawati Marg, Karol Bagh,
New Delhi-110 005.

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Telegraphic address "PATENTOFIC".

1--4761/94

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and the Union Territories of
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Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),
"NIZAM PALACE", 2nd M.S.O.
Building, 5th, 6th and 7th
Floor, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office

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पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 30 अप्रैल 1994

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टांजी इस्टेट,
तीसरा तल, लोकर परले (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रवेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोवा, दमन तथा
दीव एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,
एकक सं 401 से 405, तीसरा तल,
गंगालिलका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, रणस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,
मिनिकाय तथा एमिनिदिव द्वीप ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुस्तरीय कार्यालय,
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में उप-
स्थित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश
या उहां उपयुक्त कार्यालय अवस्थित है, उमा स्थान
के उचित बैंक में नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट
जमा करके दिया जा सकती है ।

APPLICATION FOR PATENT FILED AT THE HEAD
OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-20.

The dates shown in the crescent brackets are the dates
claimed under section 135, of the Patent Act, 1970.

21st March, 1994.

181 Cal/94. Sunkyoung Industries Ltd., Process for prepar-
ing dihalogenodiamine platinum (II) complex
compound having anti tumor activity

182 Cal/94. Hoechst Celanese Corporation. A Monofila-
ment made from a blend of a polyester having a
polyhydric alcohol component of 1, 4-Cyclohexa-
nedimethanol, and a polyamide.

183 Cal/94. Hoechst Aktiengesellschaft. Process for the
preparation of crystalline, Salt-free, chlorine-
substituted 3-Nitrobenzenesulfonic acid hydrates.

184 Cal/94. Rieke Corporation. Snap-on closure system
and method

185 Cal/94. F I Du Pont De Nemours and company. Tex-
tile fibers of sulfonated poly (P-phenylene tere-
phthalamide).

22nd March, 1994.

186 Cal/94. Himont Incorporated. Process for coating
metal pipes with polyolefin materials.

187 Cal/94. Siemens Aktiengesellschaft. Method and control
arrangement for DC Transmission, and a control
device.

188 Cal/94. Rieter Automatik GmbH. Procedure for the
Simultaneous drying and crystallization of crystal-
lizable thermoplastic synthetic material.

189 Cal 94. Stopinc Aktiengesellschaft. Actuator for a clo-
sure element at the outlet of a container contain-
ing metal melt.

190 Cal/94. Westinghouse Electric Corporation. Improve-
ments in or relating to power consumption limiter
especially for alternative energy sources.

191 Cal 94. Westinghouse Electric Corporation. Improve-
ments in or relating to gas turbine ultra low nox
combustor.

ALTERATION OF DATE UNDER SECTION 16

ANTEDATED TO 21st MARCH, 1989.

173430
(83/CAL/92).

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्धित आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार(4) महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्य को उपयुक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतर-राष्ट्रीय वर्गीकरण के अनुरूप है।”

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार, जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उस 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिचालन किया जा सकता है।

Ind Cl. 39 L.

173401.

Int Cl.: C01G 37/027.

IMPROVED PROCESS FOR PREPARATION OF CHROMIUM DIOXIDE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : THANDALI SRINIVASAN KANNAN, VELORE ABDUL JALIEL & CHANNAPPA ASWATHI.

Application for Patent No. 627 DEL 1987 filed on 23rd July, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110 005.

6 Claims

An improved process for the preparation of chromium dioxide (CrO_2) which comprises of charging a quartz or stainless steel container closed at one end, containing chromium trioxide, water and a modifier such as hereindescribed into an autoclave, passing oxygen gas into the autoclave to generate an initial pressure of 8-12 MPa, heating the autoclave to a temperature in the range of 300°C — 450°C , maintaining the autoclave at the maximum temperature for a period of 1—6 hours, cooling the autoclave to room temperature, removing CrO_2 formed, washing and drying in air at 100°C .

(Compl. Specn. 6 Pages)

Ind. Cl.: 194B LXIII(4)

173402

Int. Cl.: H04N 9/67

DISPLAY PANEL FOR PRESENTATION AND/OR RECORDING OF IMAGE.

Applicant : POWERCRAFT AS, A NORWEGIAN COMPANY, OF HOLMENGT. 28, 1360 NESBRU, NORWAY.

Inventor : KJELL HANSEN.

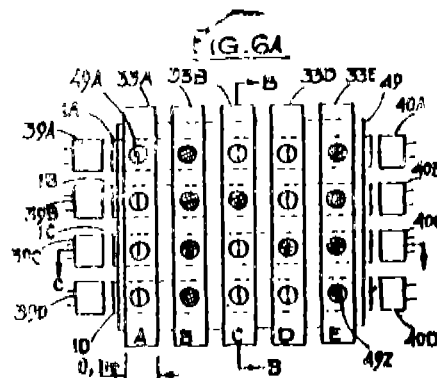
Application for Patent No. 962/Del/87 filed on 4 Nov, 1987.

Convention date 24 Mar 1987/759/87/No.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

14 Claims

Display Panel for Presentation and or recording of image comprising a horizontal element set (1A-D, 51) and a vertical element set (33A-E, 52) defining together a matrix capable of being addressed for selecting Points Presenting or Picking up light, one of said element sets constituting shutter means (33A-E, 52) for light, characterised in that the other element set consists of optical light conductors (1A-D) for receiving or emitting light at the ends thereof located outside said matrix, and means (2A-D) located at said Points for diverting light out of or into the light conductors (1A-D) transverse to their longitudinal direction, said transverse light directly forming the image presented or recorded, by addressing of said element sets.



(Compl. Specn. 17 Pages)

Drwgs 4 Sheets

Ind. Cl. : 32F, B, 55E4.

173403

Int. Cl. : C07C 65/10.

A NOVEL PROCESS FOR THE REDUCTION OF INCREASED TREE SALICYLIC ACID.

Applicants : DR. SATISH CHANDRA BISARYA, MOHAILA KHURIA GATE, CHANDAUJI, DIST. MORADABAD (UTTAR PRADESH), INDIA, DR. (MS) RAMA RAO, 369, 10th MAIN 'B' ROAD, III BLOCK JAYANAGAR, BANGALORE-560011 (KARNATAKA), INDIA (BOTH INDIAN CITIZENS).

Inventors : DR. SATISH CHANDRA BISARYA, DR. (MS) RAMA RAO.

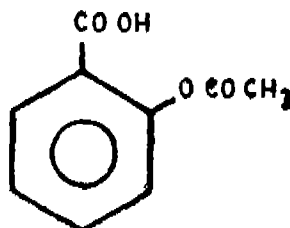
Application for patent No. 546/Del/88 filed on 27 June 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110005.

2 Claims

An improved process for the production of aspirin with reduced salicylic acid contents within the limit between 0.05-0.1% in aspirin, from the aspirin containing 0.1-0.2% salicylic acid, which comprises of :

Reacting powder of granular aspirin of formula I of the accompanying drawing



which has salicylic acid contents between 0.15-0.2%, with acetic anhydride in vapour or liquid phase in the presence or absence of an inert carrier at a temperature between 55-80°C. for 2-10 hours in total absence of moisture and heating the product under reduced pressure ranging between 1-50 mm Hg for 1-2 hours to remove any trace of acetic acid or acetic anhydride from the product such that in the resulting aspirin, with reduced salicylic acid contents.

(Complete specification 7 pages;

Drawings 1 sheet)

Ind. Cl. : 32F, B,

173404

Int. Cl. : C08B-37/00.

A PROCESS FOR THE PREPARATION OF 10-ALKOXY SUBSTITUTED AND 1-ALKOXY SUBSTITUTED DERIVATIVES OF GINKGOLIDES.

Applicant : SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS SCIENTIFIQUES (S.C.R.A.S.) 51/53 RUE DU DOCTEUR BIANCHI, 75016 PARIS, FRANCE.

Inventor(s) : PIERRE BRAQUET, ANDRE ESANU.

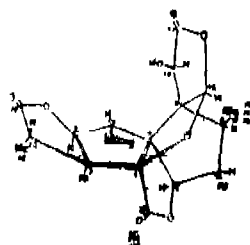
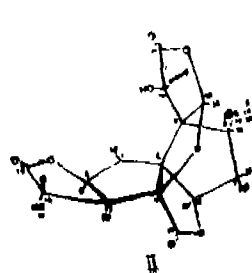
Application for Patent No. 928/DEL/88 filed on 26 Oct. 1988.

Convention date November 4, 1987 (8725871), (U.K.).

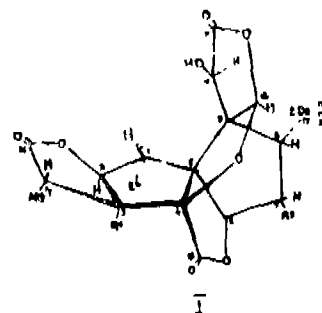
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A process for the preparation of a mixture of 10-alkoxy substituted and 1-alkoxy substituted Ginkgolides of the formula II and III respectively of the accompanying drawings



wherein each of R_1 , R_2 and R_3 is selected from H and OH, which comprises reacting a solution of Ginkgolide of the formula I of the drawings



wherein R_1 , R_2 and R_3 are as defined above, in dioxan with excess of a solution of diazoalkane in diethyl ether at room temperature for a period of 1 to 10 hours to produce a mixture of 10-alkoxy substituted and 1-alkoxy substituted Ginkgolides and separating in a manner such as hereindescribed said mixture of 10-alkoxy substituted and 1-alkoxy substituted Ginkgolides.

(Complete specification 11 pages, Drawing 1 sheet).

Ind. Cl. : 55B,

173405

Int. Cl. : A01N, 43/48.

A PROCESS FOR THE PRODUCTION OF A HERBICIDAL COMPOUND.

Applicant : UNIROYAL CHEMICAL COMPANY, INC. A CORPORATION ORGANISED UNDER THE LAW OF THE STATE OF NEW JERSEY, ONE OF THE UNITED STATES OF AMERICA LOCATED AT WORLD HEAD QUARTERS, MIDDLEBURY, CONNECTICUT 06749, UNITED STATES OF AMERICA.

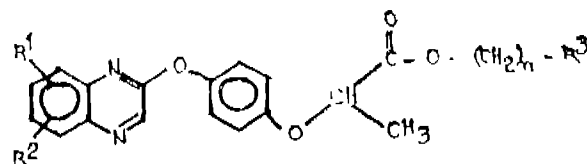
Inventor(s) : ROBERT GLENN DAVIS, ALLYN ROY BEIT, JOHN ADRIAN MINATELLI.

Application for Patent No. 1166/DEL/88 filed on 28 Dec. 1988

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A process for the production of a herbicidal compound of formula I of the drawings wherein;

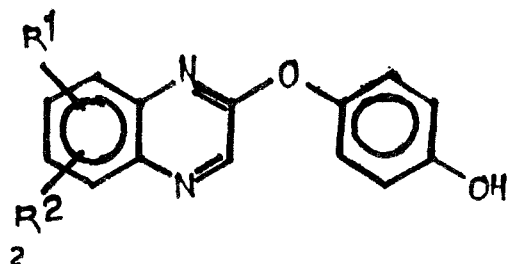


n is 1, 2 or 3;

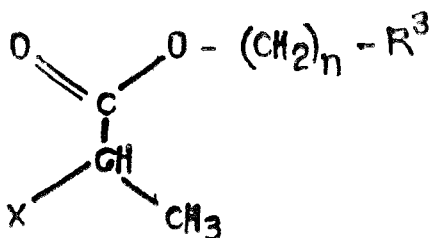
R_1 and R_2 are each independently selected from the group consisting of halogen, hydrogen, C_1 - C_3 alkoxy, C_1 - C_3 haloalkoxy, monohalomethyl, dihalomethyl trihalomethyl, cyanato and nitro; and

R^3 is a 5- or 6-membered saturated, unsaturated or partially unsaturated heterocyclic ring such as herein described containing 1 or 2 oxygen atoms; said ring optionally being substituted with between 1 and 3 substituents each independently selected from the group consisting of oxo, C_1-C_3 alkyl and C_1-C_3 alkoxy; which comprises

reacting a quinoxalinyloxyphenol compound of the formula ii of the drawings



wherein R^1 and R^2 are as defined in formula I above with a heterocyclicalkyl-propanoate halide of the formula III of the drawings



wherein X is halogen, mesylate or tosylate and n and R^3 are as defined in formula I above in an organic solvent such as herein described and in the presence of an inorganic or organic base such as herein described.

(Compl. Specn. 22 Pages)

Draws 4 Sheets)

Ind. Cl. : 32E

173406

Int. Cl.⁴ : C08F, 220/06

A PROCESS FOR THE PREPARATION OF NOVEL CROSSLINKED MACROPOROUS GLYCIDYL COPOLYMERS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860) AND HINDUSTAN ANTIBIOTICS LIMITED, PIMPRI, PUNE-411 018, MAHARASHTRA, INDIA, AN INDIAN GOVERNMENT HAVING REGISTERED OFFICE AT PIMPRI, PUNE-411 018, MAHARASHTRA, INDIA.

Inventors : SURENDRA PONRATHNAM, CHELANATTU KHIZHAKKE MADATH RAMAN RAJAN, RAGHUNATH ANANT MASHELKAR, KAMLESH KUMAR KRISHNADAS, GANGADHAR RAMCHANDRA AMBEKAR, SURESH RAMNATH NAIK, JAIPRAKASH GANPATRAO SHEWALE.

Application for Patent No. 901/Del/89 filed on 6 Oct., 1989.

Appropriate office for opposition proceedings (Rule 4, Patent's Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A process for the preparation of novel crosslinked macroporous glycidyl copolymers useful as matrix in the preparation of immobilized penicillin G acylase & having absorption capacity generally to the extent of 12-20 mg of penicillin G acylase per gm of the said matrix which comprises suspension polymerizing glycidyl methacrylate and ethylene glycol dimethacrylate in the presence of polymerization initiator such as herein described in a glass reactor, in aqueous media at a temperature in the range of 60°C to 80°C in the presence of a protective colloid such as herein described and a pore generating solvent selected from long chain aliphatic alcohols, stirring the resultant mixture for 3 to 6 hours, filtering, washing the resultant beads with distilled water followed by a protic solvent.

(Compl. Specn. 10 Pages)

Ind. Cl. : 55 (E-4)-[XIX(1)]

173407

Int. Cl.⁴ : 361K, 39/395 & C07D, 499/00

AN IMPROVED PROCESS FOR THE PRODUCTION OF IMMOBILIZED PENICILLIN G ACYLASE USING NOVEL CROSSLINKED MACROPOROUS GLYCIDYL COPOLYMERS USEFUL FOR THE PREPARATION OF 6-AMINO PENICILLANIC ACID.

Applicants : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860) AND HINDUSTAN ANTIBIOTICS LIMITED, PIMPRI, PUNE-411 018, MAHARASHTRA, INDIA, AN INDIAN COMPANY OWNED BY THE INDIAN GOVERNMENT HAVING REGISTERED OFFICE AT PIMPRI, PUNE-411 018, MAHARASHTRA, INDIA.

Inventors : SURENDRA PONRATHNAM, CHELANATTU KHIZHAKKE MADATH RAMAN RAJAN, RAGHUNATH ANANT MASHELKAR, KAMLESH KUMAR KRISHNADAS, GANGADHAR RAMCHANDRA AMBEKAR, SURESH RAMNATH NAIK, JAIPRAKASH GANPATRAO SHEWALE.

Application for Patent No. 902/Del/89 filed on Oct 1989.

Appropriate office for opposition proceedings (Rule 4, Patent's Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A process for the production of immobilized penicillin G acylase, useful for the production of 6-APA, which comprises suspending crosslinked macroporous glycidyl copolymers prepared by a process described and claimed our co-pending application No. 901/Del/89 in phosphate buffer having molarity between 0.1 to 0.5, at a pH in the range of 7.0-7.5, incubating the suspension with penicillin G acylase at 25°C for a period 24 to 96 hours with agitation at 100 rpm and separating the immobilized penicillin G acylase by filtration.

(Compl. Specn. 11 Pages).

Ind. Cl. : 55 E4

173408

Int. Cl.⁴ : A61K 39/395 & C07D 499/00.

AN IMPROVED PROCESS FOR THE PRODUCTION OF 6-AMINO PENICILLANIC ACID USING PENICILLIN G ACYLASE IMMOBILIZED ON NOVEL CROSSLINKED MACROPOROUS GLYCIDYL COPOLYMERS.

Applicants : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES

ACT (ACT XXI OF 1860) AND HINDUSTAN ANTI-BIOTICS LIMITED, PIMPRI, PUNE-411 018, MAHARASHTRA, INDIA, AN INDIAN COMPANY OWNED BY THE INDIAN GOVERNMENT HAVING REGISTERED OFFICE AT PIMPRI, PUNE-411 018, MAHARASHTRA, INDIA.

Inventors : SURENDRA PONRATHNAM, CHELANATHU KAZHAKKE MADATH RAMAN RAJAN, RAGHUNATH ANANT MASHIELKAR, KAMISH KUMAR KRISHNADAS, GANGADHAR RAMCHANDRA AMBEKAR, SURESH RAMNATH NAIK, JAIDRAKASH GANPATIRAO SHEWALE.

Application for Patent No. 903/Del/89 filed on 6 Oct 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A process for the production of 6-APA which comprises suspending an immobilized penicillin G acylase prepared by the process described and claimed in our pending application 902/Del/89 in 0.05 M phosphate buffer at a pH in the range of 7.6 to 8.0, adding to the said suspension potassium penicillin G, agitating the resultant mixture at 60 to 80 rpm at 37°C, maintaining the pH of the reaction mixture between 7.6 to 8.0, By neutralization of liberated phenyl acetic acid with 2.0 N ammonia solution, separating the unconverted immobilized penicillin G acylase by filtration and isolation of 6-APA by isoelectric pH precipitation.

(Compl. Specn. 9 Pages).

Ind. Cl. : 189

173409

Int. Cl. : E11B, 9/00.

AN IMPROVED PROCESS FOR THE PRODUCTION OF ROSE OIL.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110 601, INDIA. AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : ATUL PRAKASH KAHOL

Application for Patent No. 1183/Del/89 filed on 13 Dec 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

An improved for the production of rose oil from *Rosa damascena*, which comprises mixing the rose flowers with three to seven times their weight of water, heating the same in a distillation vessel by passing flame through flue pipes provided at its base to provide additional surface for heat transfer, passing the steam and rose oil vapour through a column containing a packing such as here in described, condensing the steam and rose oil vapour in a condenser, collecting condensate in separator, separating the rose oil in a separator by known methods, feeding the resultant condensate to the top of the packed column such that the condensate mixes with the steam and rose oil vapour counter currently to recover additional rose oil from the condensate.

(Compl. Specn. 9 Pages)

Draw. 1 Sheet)

Ind. Cl. : 32F₂(C₀) IX(1).

173410

Int. Cl. : C07D 241/00.

A PROCESS FOR PREPARING A RACEMIC OR OPTICALLY ACTIVE PYRIDO (1, 2, -a) PYRAZINE DERIVATIVES AND ITS PHARMACEUTICALLY ACCEPTABLE ACID ADDITION SALT THEREOF.

Applicant : PRIZER INC., A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATES OF DELAWARE, UNITED STATES OF AMERICA OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventor : KISHOR AMRATRAI DESAI, GENE MICHELA BRIGHT.

Application for Patent No. 1184/Del/89 filed on 13 Dec. 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

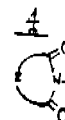
6 Claims

A process for preparing a racemic or optically active pyrido (1, 2, -a) Pyrazine derivatives of formula 1 of the drawings



or a pharmaceutically acceptable acid addition salt thereof, wherein X is N or CH;

Y is an imide group of formula 4 of the Drawings;



Z is a radical of formula 5 of the drawings,



radical of formula 6 of the drawings,

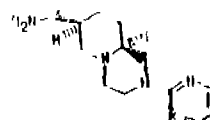


SCH₃, OCH₃, -Y¹ (CH₂)_n or Y¹ (CH₂)_n substituted on carbon with up to 2 methyl groups,

Y¹ is CH₃, NH or NCH₃; and

n is 1 or 2;

said process comprising reacting a racemic or optically active compound of the formula VI of the drawings wherein X is N or CH with an anhydride imide of the formula VII of the drawings and



Formula VII



and if desired, converting the thus obtained product into its pharmaceutically acceptable acid addition salt by any known manner.

(Complete specification 38 pages and Drawing 4 sheets.)

Cl : 90 K, 130 G, 198 D.

173411

17 Claims

Int. Cl.⁴ : B 08 B 3/10**"A DEVICE FOR CLEANING IN PARTICULAR OF DISC-SHAPED OXIDE SUBSTRATE".**

Applicant : NUKEM GmbH, RODENBACHER CHAUSSEE 1, D-6450 HANAU (MAIN) 11, FEDERAL REPUBLIC OF GERMANY.

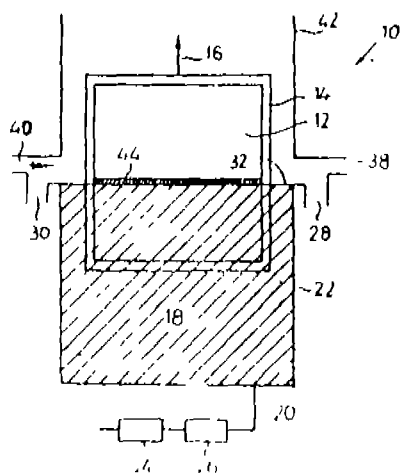
Inventors : (1) NORBERT LENCK, (2) DR. JORG WÖRNER.

Application No. 815/Cal/88 filed on 31st October, 1988.

Appropriate office for opposition proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

6 Claims**A device for cleaning a disc-shaped oxide substrate such as glass, comprising :**

- a container holding a water column for cleaning said substrate, said container having an overflow for maintaining the surface of said water column at an essentially constant level, irrespective of immersion of said substrate in said water column;
- a water supply connected to said container for feeding water thereof;
- a holder adapted to extract said substrate substantially vertically out of said water column; heating elements arranged above said water column and spaced apart to allow said substrate to pass therebetween; and
- an air feed arranged above said water column for flowing air along said substrate.



Compl. specn 10 pages

Dign 1 sheet

Cl : 39 E, 40 F.

173412

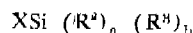
Int. Cl.⁴ : D 06 B 1 02; C 08 G 59/50.**"AN ORIENTED SELF-SUPPORTING HIGH MODULUS FILM HAVING A CONTINUOUS PRIMER COATING COMPOSITION ON ONE OR BOTH SIDES THEREOF."**

Applicant : HOECHST CELANESE CORPORATION, OF ROUTE 202-206 NORTH, SOMERVILLE, NEW JERSEY, U.S.A.

Application No. : 405/Cal/89 filed on 26th May, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

An oriented self-supporting high modulus film having a continuous primer coating composition on one or both sides thereof, said coating composition comprising the dried residue of a hydrolyzed aminosilane compound having the formula in the unhydrolyzed state :



wherein X is a radical selected from the group consisting of H_2NR^1 , HNR^1 and $\text{H}_2\text{NR}^1\text{HNR}^1$; the R^1 's are the same or different groups selected from the group consisting of C_1 to C_8 alkyl or phenyl; R^2 is a hydrolyzable group selected from the group consisting of C_1 to C_8 alkoxy, an acetoxy group or halide; R^3 is a nonreactive, nonhydrolyzable group selected from the group consisting of C_1 to C_8 alkyl or phenyl; (a) is an integer ranging from 1 to 3; (b) is an integer ranging from 0 to 2, with the sum of (a) and (b) being 3, said primer coating composition being present at a weight effective to improve the adhesion of other polymers to said film.

Compl. specn. 23 pages

Drg. Nil

Cl : 102 D

173413

Int. Cl. : F 15 B 21/00.

"HYDRAULIC DRIVE SYSTEM."

Applicant : RITACHI CONSTRUCTION MACHINERY CO. LTD. JAPAN, OF 6-2, OHTEMACHI-2-CHOME, CHIYODA-KU, TOKYO, JAPAN

Inventor : TOICHI HIRATA.

Application No. 503 Cal 89 filed on 28th Jun 1989.

Appropriate office for opposition proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

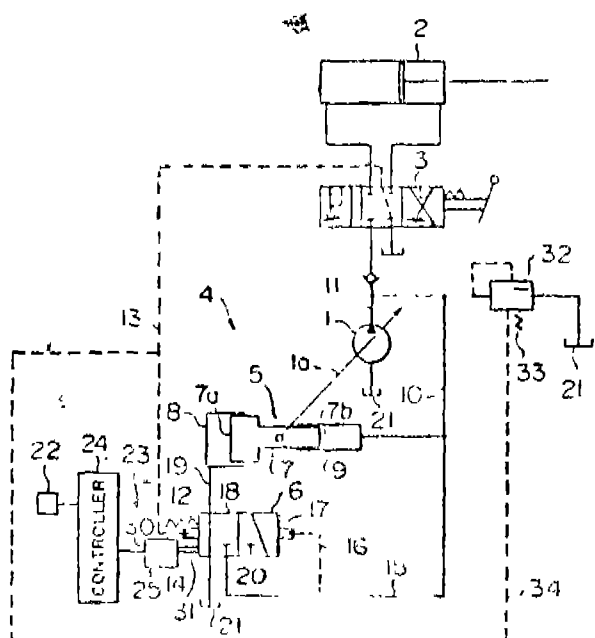
6 Claims

A hydraulic drive system comprising a hydraulic pump (1) of the variable displacement type having displacement volume varying means (1A) at least one hydraulic actuator (2) driven by a hydraulic fluid discharged from said hydraulic pump, a directional control valve (3) for controlling a flow of the hydraulic fluid supplied from said hydraulic pump to said actuator, and discharge control means (4; 50) for controlling a flow rate of the hydraulic fluid discharged from said hydraulic pump, said discharge control means comprising drive means (5) for driving said displacement volume varying means and load-sensing control means (6; 51) for controlling operation of said drive means responsive to a differential pressure between a discharge pressure of said hydraulic pump and a load pressure of said actuator to thereby hold said differential pressure at a setting value, wherein said hydraulic drive system further comprises :

instruction means (22) operated by an operator for instructing a change in the differential pressure between the discharge pressure of said hydraulic pump (1) and the load pressure of said actuator (2); and

differential pressure setting means (23; 51, 27, 28) capable of changing the setting value of said differential pressure in response to an instruction from said instruction means (22).

FIG. 1



Compl. specn. 31 pages

Digs. 5 sheets

Cl. : 9-D; 127-H

173414

Int. Cl. : F 16 H 25/00; C 23 C 8/00.

"PROCESS FOR PRODUCING INDIVIDUAL CAMS FROM CAST MATERIAL."

Applicant : EMITEC GESELLSCHAFT FÜR EMISSIONSTECHNOLOGIE MBH, OF HAUPTSTRASSE 150, 5201 LOHMAR, WEST GERMANY.

Inventor : HELMUT SWARS.

Application No. 586/Cal 89 filed on 20th July, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

8 Claims

A process for producing individual cams from cast material in bar form for assembled camshafts, wherein the bar having the cross-section of a cam is produced in a continuous casting process and individual cams are separated from the solidified bar.

Compl. specn. 7 pages

Drgn. Nil

Cl. : 32 F-3-(b), 32 F-3-(c), 144 B.

173415

Int. Cl. : C 04 B 24/02, 24/08, 26/05, 26/20, 26/22

"AN EXPANDABLE POWDER COATING COMPOSITION."

Applicant : SOMAR CORPORATION, AT 11-2 GINZA 4 CHOME, CHUO-KU, TOKYO 104 JAPAN.

Inventors : (1) KATUYA SANO, (2) TAKESHI HASEGAWA, (3) KIYOSHI KITAJAKA, (4) ATUDHI SAKURAOKA, (5) KATSUJI KITAGAWA, (6) TETSUO MIYAKE; (7) KAZUTAMA MORIGUCHI.

Application No. 614/Cal/89 filed on 31st July, 1989.

Appropriate office for opposition proceedings (Rule 4, Patent rule 1972) Patent Office, Calcutta.

16 Claims

An expandable, powder coating composition comprising :

- a thermoplastic resin containing a hydroxyl group-containing polymer such as herein described ;
- a cross-linking agent containing a polyisocyanate compound which is capable of reacting with the hydroxyl groups of said polymer at a temperature higher than the melting point of said thermoplastic resin to crosslink said polymer and which is solid at room temperature, the relative amounts of the polyisocyanate compound and the hydroxyl groups in the composition are such as to provide a ratio of equivalents of the isocyanate group per equivalent of the hydroxyl groups in the composition of less than 1 ;
- a blowing agent such as herein described capable of decomposing and generating a gas when heated to a temperature higher than the melting point of said thermoplastic resin, the amount of the blowing agent is from 5-20% by weight of the hydroxyl group containing polymer; and optionally comprising one or more of a polvul compound in an amount of 5-100% by weight of said thermoplastic resin and a plasticizer.

Compl. specn. 16 pages

Drgn. Nil

Cl. : 27 L

173416

Int. Cl. : E 04 C 5/07.

A FIBER-REINFORCED HYDRAULICALLY SET BUILDING MATERIAL AND A METHOD OF PRODUCING SAME.

Applicant : POLYFIBRE SA; OF CHAMIN PLANTAZ 36 CH-1260 NYON (SWITZERLAND)

Inventors :

- (1) DR. JOSEF STUDINKA,
- (2) DR. PETER MEIER.

Application No. 842/Cal 89 filed on 11th October 1989

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta

6 Claims

A fiber-reinforced hydraulically set building material, comprising about 1-10% by weight of polyvinyl-alcohol fibers cut to a length in the range of 2-12mm, such fibers being of unitary length or a mixture of fibers of differing length and having an elongation of 8.5-15% and a strength of 4.0 to 9.0 cN/dtex, and optionally other reinforcement and/or filler material such as herein described.

(Compl. Specn. 16 pages

Drgns. Nil)

Cl. : 186 F

173417

Int. Cl. : H 04 N 7/16.

AN APPARATUS FOR PREVENTING UNAUTHORISED RECORDING ON TAPES OF VIDEO PROGRAMMES.

Applicant : COPYGUARD ENTERPRISES S.A., OF 672 RUE DE NEUDROF, LUXEMBOURG.

Inventor : ARIE MARINUS WINIEN.

Application No. 941/Cal/89 filed on 9th November 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

5 Claims

An apparatus for preventing unauthorised recording of video programmes on tape, comprising an input terminal (2), to which analog video signals to be processed are to be supplied, an input stage (4) for digitalising the analog video signals, prior to being transferred to an input (5a) of a digital shift memory (5), connected to the output of said input stage (4) an output stage (8) connected with the output (5c) of said shift memory (5), for bringing the extracted video signals to be used in the analog form, an input control stage (6) for said memory (5), and an output control stage (7) for said memory (5) the control frequency of the said input control stage (6) being adapted to the frame repetition frequency of the digitalised video signals to be stored in said memory (5) the control frequency of the output control stage (7), being different from the control frequency of the input control stage (6) and the capacity of said memory (5) being sufficient for compensating the differences between the said signal input and output whereby the total duration of the video signal series extracted via the output (5c) of said memory (5) is caused to differ from the duration of the signals supplied to the input (5a) of said memory (5) so as to result in disturbance for recording of picture from the video signals as to result in disturbance for recording of picture from the video signals.

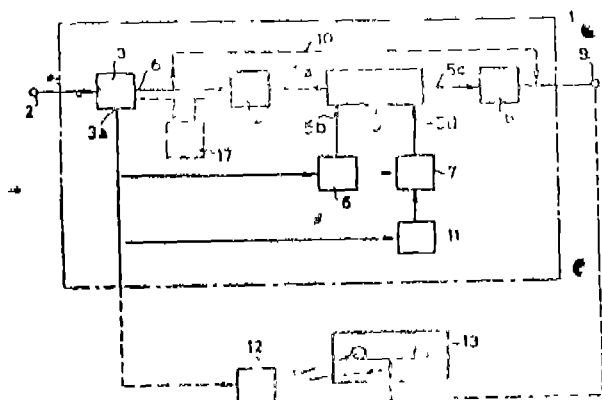


Fig. 1

(Compl. Specn. 10 pages.

Drgns. 1 sheet)

Cl.: 119 E, B

173418

Int. Cl. 4 : D 02 H 3/00, 13/22, 13/26, 13/28.

MECHANICAL TENSION CONTROLLER FOR JUTE YARN IN A WEAVER'S BEAM.

Applicant: INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION OF 17, TARATOLA ROAD, CALCUTTA-88, WEST BENGAL, INDIA.

Inventors :

- (1) PRANAB KUMAR BHATTACHARYYA.
- (2) ASHOKE KUMAR BHANDYOPADHYAY.

Application No. 1062/Cal/89 filed on 22nd December 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

6 Claims

A mechanical tension controller for jute yarns in a weaver's beam comprising a number of vertically arranged drop wires, the upper end of each of which is formed into an eyelet 6a for passing of the yarn therethrough and the lower end being connected with one end of coupler 8, an elastic rubber cord 9 connected with the other end of the coupler and the free end of the rubber cord being anchored at the bottom with an anchoring plate 10, a guide plate arranged near the top of

the attachment through which the drop wires are passed for guiding the vertically up and down movement of the drop wire.

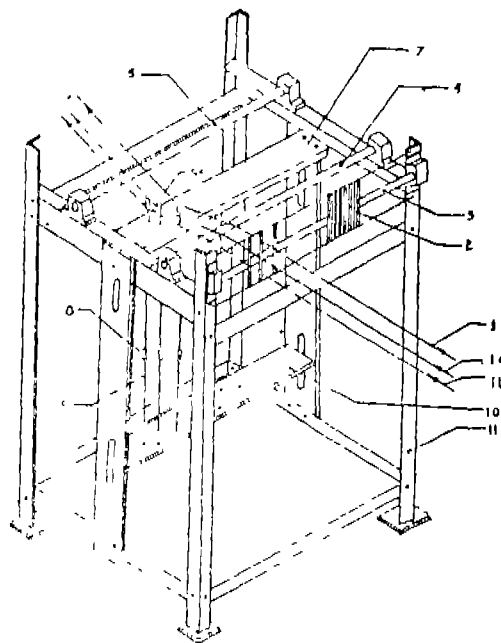


Fig. 1

(Compl. Specn. 7 pages.

Drgns. 2 sheets)

Cl.: 45, G, 3

173419

Int. Cl.4: E 03 D 1/30.

SANITARY WATER VALVE WITH A CONTROL MEMBER.

Applicant: AMERICAN STANDARD INC. OF 40 WEST 40TH STREET, NEW YORK, NEW YORK 10018, UNITED STATES OF AMERICA.

Inventors :

- (1) IDEAL-STANDARD GmbH.
- (2) KONRAD BERGMANN.
- (3) HANS NIKOLAYCZIK.
- (4) THEODOR TOENNES.

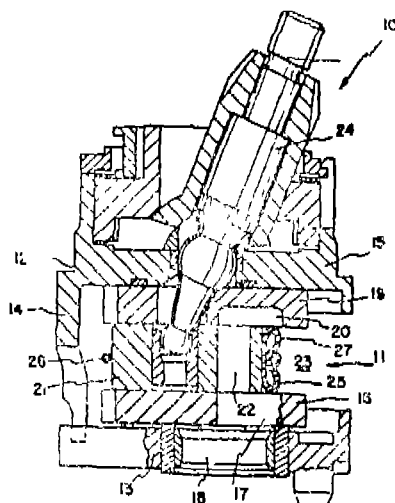
Application No. 94/Cal/90 filed on 1st February 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

7 Claims

Sanitary water valve with a control member, which consists of three disk cams situated above one another and which is enclosed by a casing, whereby the lower and the upper disk cam are stationary and the middle disk cam is displaceable relative to the stationary disk cams, and whereby both the lower and the middle disk cam exhibit passage openings for the cold and hot water and the upper disk cam exhibits diversion chambers associated with the passage openings in

the other two disk cams, wherein a flow noise reduction element (25) is mounted on the external circumference of the middle moveable disk cam (21).



(Compl. Specn. 11 pages.

Drgns. 1 sheet)

Cl.: 129 A, G.

173420

Int. Cl.: B 21 D, 7/00, 9/00.

AN APPARATUS FOR BENDING PIPES OR THE LIKE.

Applicant: WILHELM SCHAFFER MASCHINENBAU GMBH & CO. OF AUF DER LANDESKRONE 2, D-5901 WILNSDORF 1-WILDEN, WEST GERMANY.

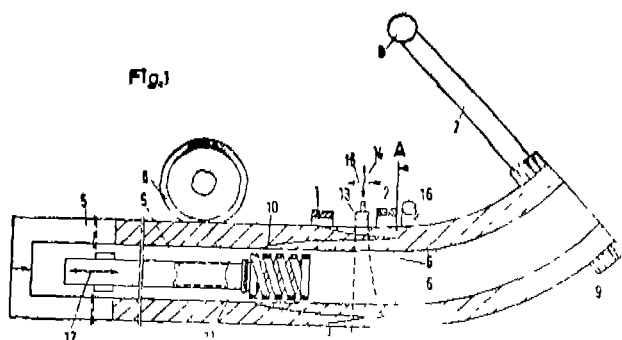
Inventor: AUGUST WILHELM SCHAFFER.

Application No. 283/Cal/90; filed on 05th April 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

11 Claims

An apparatus for bending pipes or the like and having at least one outer inductor arrangement which comprises at least one annular inductor and through which the pipe can be continuously guided axially through the agency of guiding and drive means disposed before the outer inductor arrangement and can be heated to bending temperature in a bending zone of limited length, the apparatus also comprising a bending arm mounted at one end, the same being spaced apart from the pipe, for pivoting around an axis disposed in the plane of the bending zone and perpendicular to the bending plane, the bending arm having at its other end means for clamping the pipe front end guided by the outer inductor arrangement, characterised by an additional inner inductor (10) over which the pipe moves as it advances towards the bending zone (6).



(Compl. Specn. 9 pages.

Drgns. 2 sheets)

Cl.: 190 B

173421

Int. Cl. 4 : G 05 D 1/00.

CONTROL SYSTEM FOR GAS TURBINE ENGINE FOR POWERING AIRCRAFT.

Applicant: UNITED TECHNOLOGIES CORPORATION OF 1 FINANCIAL PLAZA, HARTFORD, CONNECTICUT 06101, UNITED STATES OF AMERICA.

Inventors:

- (1) ROBERT RICHARD POLLAK.
- (2) JUAN ANTONIO MARCOS.
- (3) SYED JALALUDDIN KHALID.

Application No. 776/Cal/89; filed on 20th September 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

5 Claims

Control system for a gas turbine engine (10/110/210) for powering aircraft having a pair of spools comprising a high pressure compressor/turbine combination (18; 20; 112; 114; 212; 214) and a fan and/or low pressure compressor (14; 118; 218) and turbine (16; 122; 222) combination solely aerodynamically coupled, and a burner (22; 123; 223) for combusting fuel and air for powering said turbines, fuel regulating means (125; 225) for regulating the flow of fuel to said burner and variable area vanes (36; 130; 136; 230; 236) for regulating the air flow to said fan/low pressure compressor or said high pressure compressor, and control means having function generator (270+272) and summer (274) for controlling said fuel regulator means (125; 225) and also having function generators (240; 242; 246 and 248), summers (250 and 259) and limiters (244 and 247) for controlling said variable area vanes (36; 130; 136; 230; 236) to operate on a low pressure compressor steady state operating line (A), the control means (29, w, x, y, z, Fig. 9; w, x, y, z, Fig. 11) being responsive to the position (α) of power lever to regulate rapid accelerations and decelerations in response to a preselected low pressure compressor speed (N1) or high pressure compressor speed (N2) parameter for controlling said variable vanes (36; 130; 136; 230; 236) and said fuel regulating means (25; 125; 225) comprising first means (56; 150; 248) responsive to plurality of engine and aircraft variables for generating a requested N1 or N2 signal, means (68; 145) responsive to the difference between power lever position and measured N1 or N2 having a proportional and integral controller (60; 154; 252) for adjusting said variable vanes (36; 130; 136; 230; 236) to accelerate or decelerate said engine along a constant low pressure compressor speed or a constant high pressure compressor speed (B) to the targeted value selected by said power lever position (α) or N2 the said control means being responsive to said N1 parameter for controlling said fuel regulating means (125; 225) and

said variable vanes (36; 130; 136; 230; 236) to return said engine to operate on said low pressure compressor or said high pressure compressor steady state operating curve (G)

and timer means (74; 80, 156, 159; 260; 253) for actuating said control means upon reaching a predetermined time interval.

FIG. 9

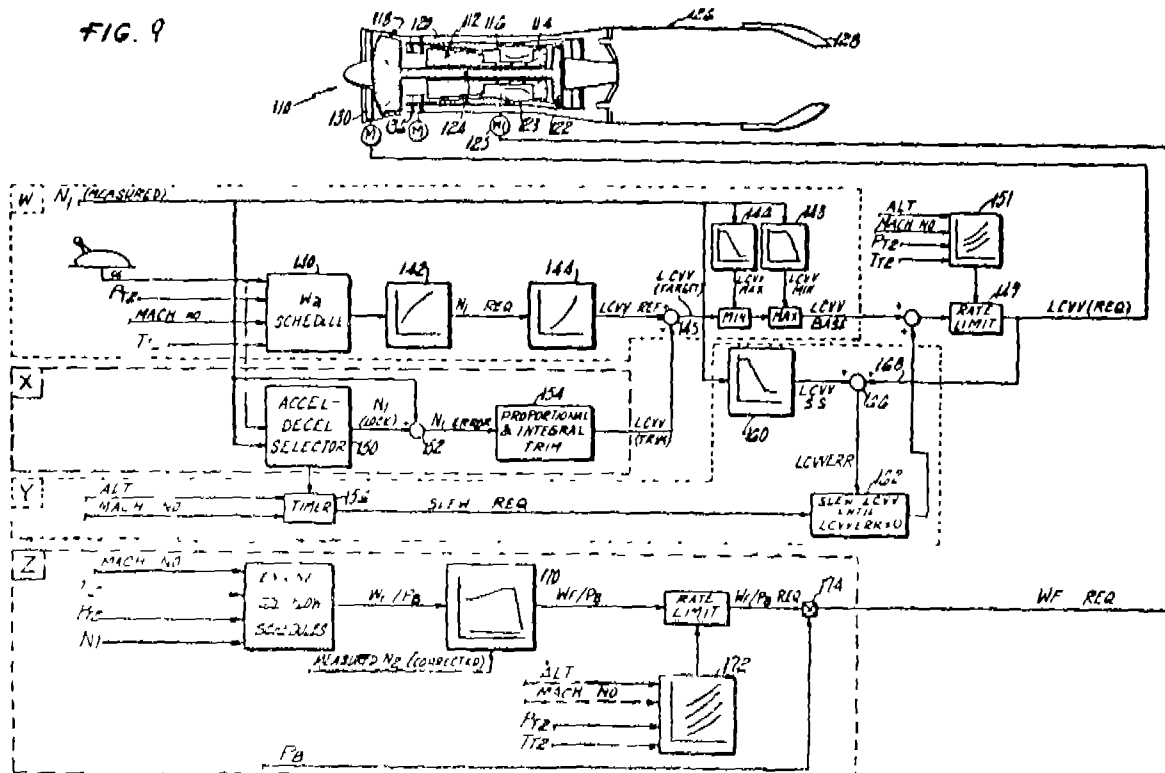
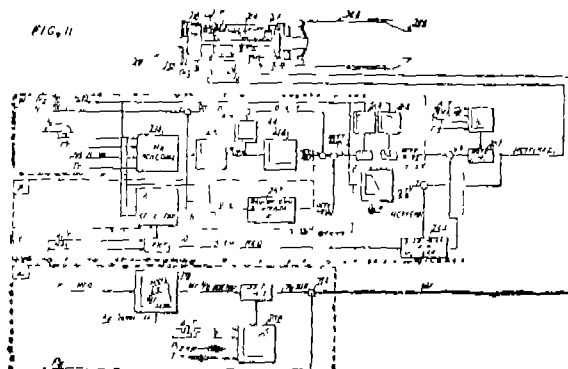


FIG. 11



(Compl. Specn. 34 pages.

Drgns, 6 sheets)

CL: 147 F.

173422

12 Claims

Int. Cl 4 : G 11 B 15/00.

CASSETTE HOLDER DEVICE FOR TAPE RECORDER.

Applicant: MATSUSHITA ELECTRIC INDUSTRIAL
CO. LTD. OF 1006, OAZA KADOMA, KADOMA-SHI.

Inventors :

(1) HIDEKI SAKUMOTO.

(2) MACHIKO HIRANO (nee ODA).

Application No. 873/Cal/89; filed on 20th October 1989.

Appropriate Office for Opposition Proceedings (Rule 4, ~~Patent~~ Rule 1973), Patent Office, Calcutta.

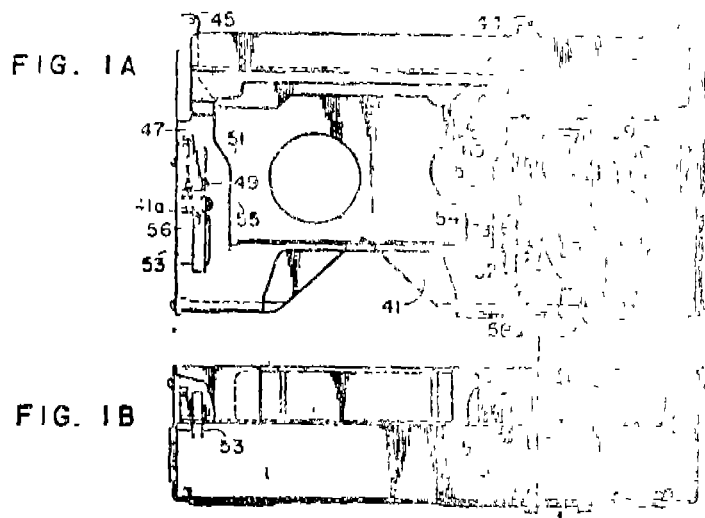
A cassette holder device adapted to receive one of two kinds of cassettes, a small size or a large size cassette for loading a cassette into a tape recording apparatus body and taking out the cassette from the apparatus body comprising;

a cassette holder member (41) and a top plate (42) secured thereto together forming a housing for storing and holding therein a small size cassette or a large size cassette, and defining a cassette insertion opening (76);

a guide member (58) rotatably mounted on said top plate (42) so as to project into said cassette insertion opening (76) for guiding a small size cassette (5) into said cassette holder member (41) and regulate the insertion position of said

cassette with a slight gap between one of said surface (58a) of the cassette guide member and one of side surface of the cassette opposing said one surface (58a) of the small size cassette guide member;

actuating means (70) for rotating said small size cassette guide member (58) upward upon insertion of a large size cassette so as to allow insertion of the large size cassette into said cassette holder member (41).



(Compl. Specn. 35 pages.

Drgns. 12 sheets)

Cl.: 194 C 1

173423

Int. Cl.: H 01 J 9/20, 29/10.

PANEL OF METAL BACKED COLOR CATHODE RAY TUBE AND MANUFACTURING METHOD THEREOF.

Applicant: SAMSUNG ELECTRON DEVICES CO. LTD. OF 575, SHIN-RI, TAEAN-EUB, HWASEONG-GUN, KY-UNGGI-DO, KOREA.

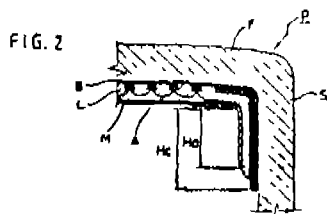
Inventor: MYEONG-SIK SON.

Application No. 922/Cal/89; filed on 6th November 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

3 claims.

A panel of a metal backed color cathode ray tube comprising a face plate F and a skirt S forming said panel, a black matrix B, a luminescent layer L, and a deposited metal layer A, each of which is sequentially formed on the inner surface of said panel P, characterized in that graphite height Hc from the inner surface of said face plate of said panel or said luminescent layer on said skirt S after being cut off is higher than or same as metal layer height Ha of said deposited metal layer A from said inner surface.



(Compl. Specn. 12 pages;

Drgns. 1 sheet.)

Cl. 167 C, E.

173424.

Int. Cl. B 07 B 13/02, 13/08.

"APPARATUS FOR THE SEPERATION OF TWO OR MORE DISCRETE PARTICULATE MATERIALS OF DIFFERENT SLIDING COEFFICIENT OR FRICTION".

Applicant: CYPRUS INDUSTRIAL MINERALS COMPANY, OF 9100 EAST MINERAL CIRCLE; DENVER, COLORADO 80112; UNITED STATES OF AMERICA.

Inventors: (1) CARL WAYNE NICHOLS, (2) MICHAEL JOHN LORANG, (3) MICHAEL OTTO WOLD, and (4) JERRY WILLIAM RAYFIELD.

Application No. 383/Cal/89; filed on 17th May, 1989;

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

9 claims.

Apparatus for separating a mixture of two or more discrete, rocklike particulate materials of different sliding co-efficient of friction on the basis of material composition comprising;

a plate like member having a separation surface thereon formed of a material effective to provide distinct sliding co-efficients of friction between the mixture materials to be separated thereon;

means for rotating said plate like member in a substantially horizontal plane to impart the mixture materials thereon with centrifugal forces to include sliding movement at velocities in accordance with the sliding coefficient of friction of the respective mixture materials on said separation surface;

means for supplying said mixture to said separation surface at a point spaced radially inwardly from the outer periphery of said member; characterised by that the said separation surface including a generally concave portion intermediate concave portion being configured to arrest centrifugally induced radial movement of one of said mixture materials, but not that of the other.

(Compl. Specn. 11 pages;

Drgns. 2 sheets.)

173425.

a pressure in said bottom-side hydraulic chamber to allow-pressure side of said hydraulic circuit when said pressure changes from rise to fall.

FIG. 1

Application No. 1008/Cal/89 filed on 5th December, 1989.

8 claims.

(Compl. specn. 19 pages;

Drgns, 4 sheets.)

173426

(Compl. specn. 52 pages;

Drgns. 20 sheets.)

CL. 190 B

173427.

Int. Cl. F 02 C 7/22.

"AN ANNULAR COMBUSTOR FOR A GAS TURBINE ENGINE".

Application No. 1067/Cal/89 filed on 27th December, 1989.

Applicant : UNITED TECHNOLOGIES CORPORATION,
AT 1 FINANCIAL PLAZA HARTFORD, CONNECTI-
CUT 06101, UNITED STATES OF AMERICA.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

Inventors : (1) JIM ALAN CLARK, (2) JAMES HARRIS SHADOWEN, (3) THOMAS LOYD BUBELL.

*Application No. 39/Cal/90 filed on 11th January, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

20 claims.

2 claims.

A hydraulic system for a boom cylinder in a working apparatus which includes a boom mounted pivotally on a body of the working apparatus, comprising :

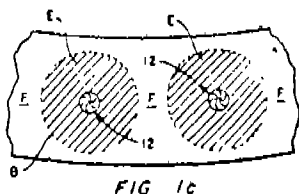
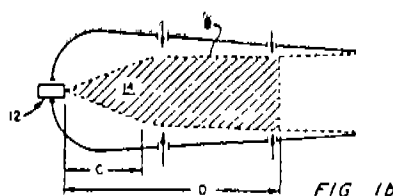
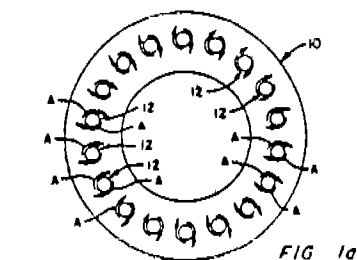
actuator means for moving said boom up and down, said actuator means including a piston rod connected to said boom and a cylinder defining a roddside hydraulic chamber and a bottom-side hydraulic chamber for extending or retracting said piston rod;

a hydraulic circuit including directional selecting valve means and lines for respectively connecting said rod-side and bottom-side hydraulic chambers with said directional selecting valve means, said directional selection^{al} selecting valve means selectively switching feed of pressurized working fluid to and discharge of the working fluid from with respect to said rod-side and said bottom-side hydraulic chamber; and

means connected to said bottom-saidhydraulic chamber of said actuator means through said hydraulic circuit for relieving

An annular combustor for a gas turbine engine, for example, for powering aircraft, having an outer annular axially extending wall and an inner annular axially extending wall concentrically disposed relative to said outer wall and defining a combustion chamber, a dome interconnecting said inner wall to said outer wall at the forward end for enclosing the forward end of said combustion chamber, a plurality of fuel nozzles having air swirl means disposed in said dome, said fuel nozzles each arranged in a smaller radii and larger radii tier, the fuel nozzles in one of said tiers being located circumferentially between the fuel nozzles of the other tier, three adjacent fuel nozzle of said plurality of fuel nozzles including two of said adjacent fuel nozzles being from one of said larger radii tier or said smaller radii tier and one of said adjacent fuel nozzles being from the other of said larger radii tier or said smaller radii tier and together arranged such that an imaginary line passing through the center of each of said three adjacent fuel nozzles define a triangle, said air swirl means being disposed

such that the rotation of the swirl of air in each air swirl means of each tier being in the same direction and the swirl rotation of each air swirl means in the larger radii tier being opposite to the swirl rotation of each air swirl means in the smaller radii tier, the fuel-air emitted from each of said fuel nozzles interacting with the discharge from adjacent fuel nozzles for establishing a fuel-air swirl pattern in the front end of said annular combustor for stabilizing the burning.



(Compl. specn. 10 pages;

Drgns. 3 sheets.)

Cl. 32 E

173428.

Int. Cl. C 0 G 65/00, C 07 C 21/18.

"PROCESS FOR PREPARING PEROXIDIC PERFLUOROPOLYETHERS"

Applicant : AUSIMONT S. R. L., OF 31, FORO BUONAPARTE, MILAN, ITALY.

Inventors : DARIO SIANESI; ANTONIO MARRACINI; AND GIUSEPPE MARMCHIONNI.

Application No. : 318/Cal/90 filed on 18th April, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

21 claims.

A process for preparing peroxide perfluoropolyethers containing perfluoroalkylenoxy units consisting of $(C_{1-2}-CF_2-CF_2O)$ and (CF_2O) , characterized in that :

(a) tetrafluoroethylene is reacted, in a solvent, with oxygen, at a temperature not exceeding $50^{\circ}C$, in the presence of one or more compounds having on or more F-X bonds, in which X is selected from the group consisting of F, O and Cl, the reaction being conducted either under the modalities of the following point b) or according to the modalities of following point c).

(b) into the liquid solvent there are introduced a gaseous stream of tetrafluoroethylene, a gaseous stream of oxygen and a gaseous or liquid stream of one or more of the above defined compounds, the flow rate of said compound(s) ranging from 0.01 to 2 moles per hour per liter of liquid phase,

(c) in a liquid phase comprising the solvent and containing one or more initiators, there are fed a gaseous stream of tetrafluoroethylene and a gaseous stream of oxygen; the molar ratio between the tetrafluoroethylene introduced during the whole course of the reaction and the above defined compound(s) present in the liquid phase before the reaction being kept in the range :

$$\frac{\text{above defined compounds}}{\text{tetrafluoroethylene}} = 0.01 \text{ to } 0.1.$$

(Compl. specn. 27 pages;

Drgns. Nil.)

Cl. 76 E, 116G.

173429.

Int. Cl. B 66 F 9/00.

"IMPROVEMENTS IN OR RELATING TO PULLING AND LIFTING MACHINE"

Applicant : CRUSHMORE MAXBAN INDIA, OF P-271, BENARAS ROAD, HOWRAH-711 108, WEST BENGAL, INDIA.

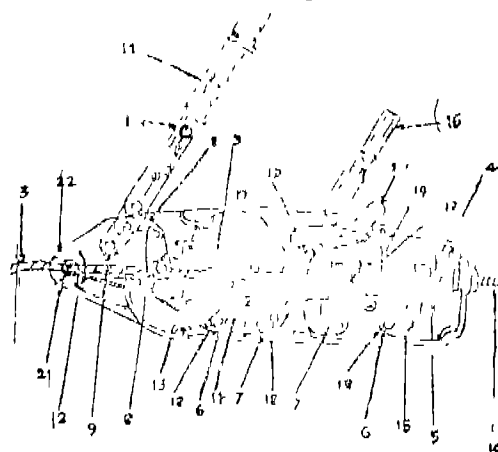
Inventor : ASHIS PRASAD NUNDI MAJUMDAR.

Application No. 616/Cal/90 filed on 24th July, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

7 Claims.

A pulling and lifting mechanism comprising a telescopic handle, two separate locking devices, one at the front and the other at the rear operatively connected to said handle, each said locking device comprising means for gripping the steel wire rope one end of which being fastened to the load to be pulled/lifted characterised in that the said gripping means consists of a pair of jaw blocks-one upper and the other lower co-operating with each other, said jaw blocks are actuated by a pair of links which are connected to said jaw blocks by pins fitted through holes located ingeniously in said jaw blocks such that there is absolutely no relative movement between said jaw actuating links, said jaw blocks and the said pins when the locking devices are activated by the forward and backward movement of the telescopic handle.



(Fig. 1)

(Compl. specn. 9 pages;

Drgns. 2 sheets.)

Cl. 68 E

173430.

Int. Cl. H 01 C 7/12, 8/04, H 01 T 4/00, H 02 G 13/00.

"LIGHTENING ARRESTOR INSULATOR AND METHOD OF PRODUCING THE SAME"

Applicant : NGK INSULATORS, LTD., OF 2-56, SUDACHO, MIZUHO-KU, NAGOYA CITY, AICHI PREF., JAPAN.

Inventors : (1) SHOJI SEIKE, (2) TOSHIYUKI MIMA, (3) MASAYUKI NOZAKI.

Application No. 83/Cal/92 filed on 5th February, 1992.

(Divided out of No. 227/Cal/89 antedated to 21st March, 1989).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

3 claims.

A lightning arrestor insulator having electrodes and an arrestor ZnO element device both built in a body of the insulator, wherein, the arrestor ZnO element device being formed of an arrestor ZnO element the insulator body surrounding the arrestor ZnO element and metallic covers and or electrically conductive ceramic covers acting as the electrodes, and sandwiching the arrestor ZnO element from both sides thereof, the covers being joined and airtightly sealed via an inorganic glass.

FIG. 1a

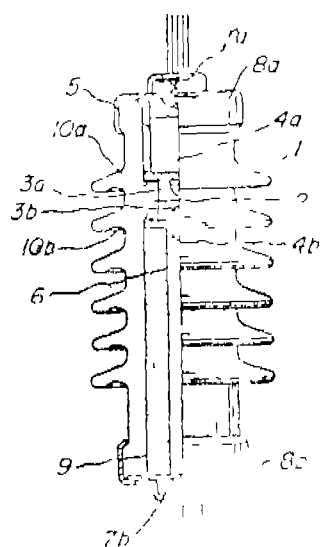


FIG. 1b

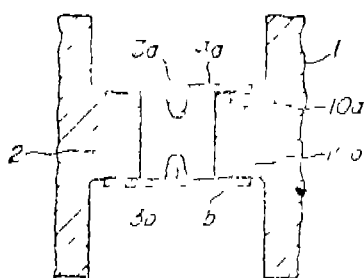


FIG. 3a

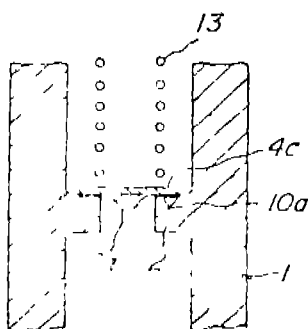
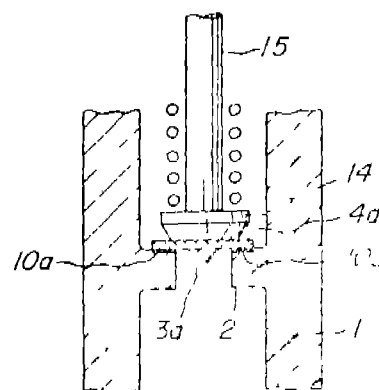


FIG. 3b



Compl. specn. 30 pages

Drgs. 4 sheets.

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*Patent shall be deemed to be endorsed with the words
LICENCE OF RIGHT Under Section 87 of the Patents
Act 1970 from the date of expiration of three years
from the date of sealing.

D—Drug Patent, F—Food Patent.

Application Number Index of Complete Specification accepted during the year, 1992

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 23/Del/87—169884.
 26/Del/87—170503.
 38/Del/87—170443.
 41/Del/87—170432.
 53/Del/87—170107.
 58/Del/87—170444.
 62/Del/87—170445.
 64/Del/87—170901.
 66/Del/87—170433.
 87/Del/87—170434.
 102/Del/87—170435.
 105/Del/87—170446.
 106/Del/87—170447.
 110/Del/87—170463.

1987

117/Del/87—170448.
 118/Del/87—170449.
 120/Del/87—170450.
 121/Del/87—170464.
 122/Del/87—170451.
 124/Del/87—170452.
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 151/Del/87—170622.
 158/Del/87—170457.
 159/Del/87—170913.
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 188/Del/87—169885.
 189/Del/87—170386.
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 201/Del/87—170387.
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 263/Del/87—170505.
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 268/Del/87—170914.
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 294/Del/87—170624.
 295/Del/87—170458.
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 322/Del/87—170748.
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 325/Del/87—171363.
 326/Del/87—171625.
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 329/Del/87—170583.
 336/Del/87—171282.

1987

345/Del/87—170584.
 346/Del/87—171401.
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 365/Del/87—170009.
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 476/Del/87—170961.
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1987

514/Del/87—170758.
 516/Del/87—170628.
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 522/Del/87—171193.
 527/Del/87—170761.
 528/Del/87—171629.
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 567/Del/87—170346.
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 577/Del/87—170970.
 578/Del/87—171346.
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 586/Del/87—171351.
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 615/Del/87—171012.
 617/Del/87—171104.
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 620/Del/87—171352.
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 629/Del/87—170108.
 633/Del/87—171013.
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1987

702/Del/87—170467.
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 742/Del/87—170348.
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 816/Del/87—170459.
 819/Del/87—171636.
 820/Del/87—171230.
 825/Del/87—171637.
 832/Del/87—171406.
 843/Del/87—171241.

1987

848/Del/87—171407.
 855/Del/87—171242.
 864/Del/87—171288.
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 868/Del/87—171420.
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 875/Del/87—171245.
 876/Del/87—171409.
 879/Del/87—171246.
 883/Del/87—171638.
 887/Del/87—171247.
 888/Del/87—171248.
 889/Del/87—170469.
 891/Del/87—170830.
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 911/Del/87—171251.
 912/Del/87—170109.
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 1028/Del/87—171108.
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 1052/Del/87—171646.
 1065/Del/87—171647.
 1078/Del/87—170768.
 1090/Del/87—170438.
 1092/Del/87—171648.

1987

1095/Del/87—169948.
1097/Del/87—170439.
1098/Del/87—171289.
1101/Del/87—170769.
1107/Del/87—171649.
1113/Del/87—170903.
1123/Del/87—170585.
1128/Del/87—170509.
1142/Del/87—170586.
1158/Del/87—170510.

1988

22/Cal/88—169929.
65/Cal/88—169951.
70/Cal/88—169952.
71/Cal/88—169953.
82/Cal/88—169954.
102/Cal/88—170605.
104/Cal/88—169955.
112/Cal/88—171201.
128/Cal/88—169956.
142/Cal/88—169957.
148/Cal/88—169958.
150/Cal/88—169959.
181/Cal/88—171441.
183/Cal/88—169891.
185/Cal/88—169892.
191/Cal/88—170881.
194/Cal/88—169893.
207/Cal/88—169981.
212/Cal/88—171057.
213/Cal/88—171541.
215/Cal/88—169894.
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222/Cal/88—169897.
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226/Cal/88—170086.
228/Cal/88—170087.
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251/Cal/88—169899.
255/Cal/88—169982.
256/Cal/88—169900.
279/Cal/88—171078.
280/Cal/88—171031.
281/Cal/88—171442.
306/Cal/88—170251.
313/Cal/88—170088.
320/Cal/88—170971.
323/Cal/88—171691.
325/Cal/88—170882.
332/Cal/88—170883.
338/Cal/88—171521.
339/Cal/88—169861.
352/Cal/88—171302.

1988

353/Cal/88—171303.
354/Cal/88—170972.
356/Cal/88—170252.
358/Cal/88—170841.
363/Cal/88—169983.
379/Cal/88—170772.
390/Cal/88—169984.
399/Cal/88—171032.
420/Cal/88—169985.
424/Cal/88—170711.
425/Cal/88—170302.
427/Cal/88—170089.
433/Cal/88—171304.
439/Cal/88—169986.
455/Cal/88—170921.
467/Cal/88—170111.
472/Cal/88—170773.
477/Cal/88—170301.
481/Cal/88—170951.
482/Cal/88—170051.
493/Cal/88—169987.
499/Cal/88—170712.
502/Cal/88—169988.
512/Cal/88—169989.
516/Cal/88—170713.
517/Cal/88—170253.
524/Cal/88—170672.
527/Cal/88—171220.
531/Cal/88—170112.
535/Cal/88—169990.
539/Cal/88—171522.
541/Cal/88—171202.
545/Cal/88—170141.
556/Cal/88—170774.
557/Cal/88—170775.
559/Cal/88—170776.
566/Cal/88—170011.
571/Cal/88—170012.
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581/Cal/88—170922.
582/Cal/88—171033.
583/Cal/88—170601.
584/Cal/88—170602.
595/Cal/88—170013.
596/Cal/88—170014.
600/Cal/88—170113.
602/Cal/88—170053.
609/Cal/88—171090.
615/Cal/88—170231.
620/Cal/88—170015.
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616/Cal/88—171311.
627/Cal/88—170054.
628/Cal/88—170016.
629/Cal/88—170017.
632/Cal/88—170114.

1988

634/Cal/88—170255.
639/Cal/88—170641.
641/Cal/88—171091.
656/Cal/88—170603.
657/Cal/88—170777.
665/Cal/88—170018.
671/Cal/88—170142.
678/Cal/88—171058.
681/Cal/88—171131.
686/Cal/88—170019.
688/Cal/88—170714.
689/Cal/88—170715.
694/Cal/88—170778.
695/Cal/88—170862.
697/Cal/88—170642.
698/Cal/88—171376.
699/Cal/88—171312.
700/Cal/88—170055.
701/Cal/88—171313.
706/Cal/88—170842.
708/Cal/88—170802.
710/Cal/88—170716.
713/Cal/88—170020.
714/Cal/88—170056.
718/Cal/88—170303.
720/Cal/88—170304.
723/Cal/88—170115.
724/Cal/88—170031.
726/Cal/88—171079.
730/Cal/88—171080.
734/Cal/88—170952.
735/Cal/88—171092.
736/Cal/88—171235.
738/Cal/88—171421.
740/Cal/88—170032.
741/Cal/88—171203.
742/Cal/88—171422.
743/Cal/88—170953.
746/Cal/88—170033.
747/Cal/88—170863.
752/Cal/88—170116.
753/Cal/88—170117.
756/Cal/88—170118.
759/Cal/88—170671.
761/Cal/88—170803.
764/Cal/88—170643.
770/Cal/88—170119.
778/Cal/88—170644.
781/Cal/88—170232.
783/Cal/88—170120.
784/Cal/88—170233.
785/Cal/88—170931.
786/Cal/88—171701.
791/Cal/88—171542.
793/Cal/88—170057.
796/Cal/88—170973.

1988

800/Cal/88—171314.
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1983

927/Cal/88—171211.
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 1042/Cal/88—171483.
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 207/Bom/88—171571.

1988

251/Bom/88—170491.
 255/Bom/88—170701.
 259/Bom/88—169911.
 274/Bom/88—170480.
 275/Bom/88—170131.
 288/Bom/88—170132.
 310/Bom/88—170476.
 342/Bom/88—170492.
 345/Bom/88—170477.
 4/Mas/88—170155.
 5/Mas/88—170575.
 7/Mas/88—170376.
 8/Mas/88—170042.
 12/Mas/88—170561.
 14/Mas/88—170553.
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 22/Mas/88—170263.
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 37/Mas/88—170662.
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 79/Mas/88—170430.
 80/Mas/88—170538.
 81/Mas/88—170397.
 82/Mas/88—170981.

1988	1988	1988
83/Mas/88—170663.	178/Mas/88—171161.	277/Mas/88—171120.
90/Mas/88—170813.	186/Mas/88—170891.	278/Mas/88—171172.
92/Mas/88—170565.	187/Mas/88—170817.	280/Mas/88—171053.
94/Mas/88—170638.	188/Mas/88—171024.	282/Mas/88—171383.
95/Mas/88—170578.	189/Mas/88—171264.	283/Mas/88—171431.
98/Mas/88—170412.	190/Mas/88—170786.	284/Mas/88—170892.
99/Mas/88—170555.	191/Mas/88—171025.	285/Mas/88—171462.
100/Mas/88—170413.	193/Mas/88—170872.	288/Mas/88—171173.
101/Mas/88—170982.	194/Mas/88—170985.	290/Mas/88—171492.
105/Mas/88—170983.	195/Mas/88—170986.	291/Mas/88—171271.
106/Mas/88—170530.	196/Mas/88—170873.	292/Mas/88—171493.
109/Mas/88—170363.	198/Mas/88—170874.	293/Mas/88—171268.
111/Mas/88—170853.	199/Mas/88—171143.	294/Mas/88—171269.
113/Mas/88—170414.	203/Mas/88—171049.	297/Mas/88—171270.
114/Mas/88—170854.	204/Mas/88—170818.	298/Mas/88—171333.
115/Mas/88—170545.	212/Mas/88—170819.	299/Mas/88—171581.
116/Mas/88—170546.	213/Mas/88—171026.	301/Mas/88—171432.
117/Mas/88—170520.	214/Mas/88—170875.	304/Mas/88—171384.
118/Mas/88—170566.	216/Mas/88—170539.	310/Mas/88—171452.
122/Mas/88—170694.	217/Mas/88—171461.	311/Mas/88—171385.
123/Mas/88—170688.	219/Mas/88—170570.	314/Mas/88—170547.
124/Mas/88—170556.	221/Mas/88—170876.	315/Mas/88—170697.
126/Mas/88—171047.	222/Mas/88—171112.	316/Mas/88—170640.
127/Mas/88—170855.	224/Mas/88—171162.	317/Mas/88—171334.
129/Mas/88—170567.	225/Mas/88—170877.	318/Mas/88—171335.
132/Mas/88—170681.	227/Mas/88—171050.	323/Mas/88—171336.
134/Mas/88—170856.	229/Mas/88—170987.	328/Mas/88—171386.
136/Mas/88—170568.	234/Mas/88—171113.	329/Mas/88—171582.
137/Mas/88—170814.	236/Mas/88—171114.	330/Mas/88—171463.
138/Mas/88—171381.	239/Mas/88—170878.	331/Mas/88—171145.
141/Mas/88—170857.	241/Mas/88—171115.	332/Mas/88—171337.
143/Mas/88—171262.	243/Mas/88—171051.	333/Mas/88—171464.
144/Mas/88—171169.	244/Mas/88—171052.	336/Mas/88—171387.
145/Mas/88—169974.	245/Mas/88—170787.	338/Mas/88—171494.
146/Mas/88—170858.	246/Mas/88—171116.	340/Mas/88—171388.
147/Mas/88—170695.	247/Mas/88—171117.	342/Mas/88—171711.
151/Mas/88—170859.	250/Mas/88—170557.	347/Mas/88—171389.
153/Mas/88—171141.	252/Mas/88—171491.	348/Mas/88—171501.
154/Mas/88—170569.	253/Mas/88—171118.	349/Mas/88—171433.
155/Mas/88—170860.	256/Mas/88—170579.	351/Mas/88—171146.
156/Mas/88—170378.	257/Mas/88—170664.	352/Mas/88—171147.
157/Mas/88—171142.	259/Mas/88—170415.	353/Mas/88—171054.
158/Mas/88—171170.	260/Mas/88—171119.	354/Mas/88—171055.
161/Mas/88—170639.	261/Mas/88—171265.	355/Mas/88—171465.
163/Mas/88—171021.	262/Mas/88—171331.	356/Mas/88—171056.
164/Mas/88—171022.	264/Mas/88—171144.	358/Mas/88—171338.
165/Mas/88—170785.	265/Mas/88—170879.	362/Mas/88—171502.
166/Mas/88—170696.	266/Mas/88—170880.	363/Mas/88—171503.
169/Mas/88—170871.	268/Mas/88—171266.	365/Mas/88—171466.
170/Mas/88—170984.	269/Mas/88—171267.	366/Mas/88—171583.
171/Mas/88—171023.	270/Mas/88—171332.	369/Mas/88—171390.
172/Mas/88—170815.	271/Mas/88—170988.	371/Mas/88—171584.
173/Mas/88—171111.	272/Mas/88—171382.	372/Mas/88—171467.
175/Mas/88—171048.	273/Mas/88—171163.	373/Mas/88—171468.
176/Mas/88—170816.	274/Mas/88—171171.	374/Mas/88—171504.
177/Mas/88—171263.	276/Mas/88—170416.	375/Mas/88—170665.
		376/Mas/88—169973.

1988	1988	1988
377/Mas/88—171272.	498/Mas/88—171592.	769/Mas/88—170788.
379/Mas/88—171505.	499/Mas/88—170897.	770/Mas/88—170157.
381/Mas/88—171662.	506/Mas/88—170580.	798/Mas/88—171684.
383/Mas/88—171712.	510/Mas/88—171457.	799/Mas/88—171729.
384/Mas/88—171174.	511/Mas/88—171672.	816/Mas/88—170668.
392/Mas/88—171164.	513/Mas/88—171715.	842/Mas/88—171279.
394/Mas/88—171434.	530/Mas/88—171674.	870/Mas/88—171520.
398/Mas/88—171512.	537/Mas/88—171276.	878/Mas/88—171150.
401/Mas/88—171273.	538/Mas/88—171716.	893/Mas/88—171509.
405/Mas/88—170893.	553/Mas/88—171717.	894/Mas/88—171440.
406/Mas/88—171513.	562/Mas/88—171675.	908/Mas/88—170399.
407/Mas/88—171585.	567/Mas/88—171673.	915/Mas/88—171685.
409/Mas/88—171454.	568/Mas/88—171178.	919/Mas/88—171686.
410/Mas/88—171663.	569/Mas/88—171718.	922/Mas/88—170989.
411/Mas/88—171274.	570/Mas/88—170043.	924/Mas/88—171687.
412/Mas/88—171469.	571/Mas/88—171507.	2/Del/88—169890.
413/Mas/88—171586.	572/Mas/88—171676.	14/Del/88—171650.
415/Mas/88—171514.	575/Mas/88—171719.	41/Del/88—171370.
417/Mas/88—170894.	577/Mas/88—171677.	46/Del/88—171347.
418/Mas/88—171165.	578/Mas/88—171179.	47/Del/88—171348.
419/Mas/88—171713.	587/Mas/88—171148.	49/Del/88—171349.
420/Mas/88—171453.	588/Mas/88—171720.	185/Del/88—169949.
421/Mas/88—170417.	590/Mas/88—171678.	193/Del/88—170079.
422/Mas/88—171275.	591/Mas/88—171149.	386/Del/88—170654.
423/Mas/88—170895.	592/Mas/88—171679.	431/Del/88—171109.
424/Mas/88—171587.	595/Mas/88—171277.	489/Del/88—170209.
428/Mas/88—171664.	599/Mas/88—170398.	506/Del/88—171350.
429/Mas/88—171339.	603/Mas/88—171166.	520/Del/88—171101.
435/Mas/88—171665.	604/Mas/88—171340.	528/Del/88—170587.
440/Mas/88—170156.	606/Mas/88—171680.	529/Del/88—170350.
443/Mas/88—171435.	610/Mas/88—171180.	549/Del/88—170904.
444/Mas/88—171436.	616/Mas/88—171721.	619/Del/88—171019.
445/Mas/88—171666.	622/Mas/88—171167.	669/Del/88—170655.
451/Mas/88—171667.	628/Mas/88—170379.	699/Del/88—169950.
453/Mas/88—171668.	630/Mas/88—171722.	725/Del/88—170588.
454/Mas/88—171455.	633/Mas/88—171516.	775/Del/88—171020.
455/Mas/88—171669.	637/Mas/88—171517.	802/Del/88—170167.
456/Mas/88—171175.	644/Mas/88—171723.	888/Del/88—170168.
457/Mas/88—171470.	654/Mas/88—171725.	917/Del/88—170905.
461/Mas/88—171588.	662/Mas/88—171681.	952/Del/88—170630.
464/Mas/88—171176.	664/Mas/88—171682.	1023/Del/88—170210.
466/Mas/88—170896.	665/Mas/88—171724.	1070/Del/88—170906.
467/Mas/88—170666.	668/Mas/88—171438.	1071/Del/88—171110.
468/Mas/88—170548.	674/Mas/88—171278.	1104/Del/88—170770.
471/Mas/88—171589.	676/Mas/88—171593.	1121/Del/88—170110.
477/Mas/88—171670.	680/Mas/88—171726.	1128/Del/88—170589.
480/Mas/88—171456.	689/Mas/88—171518.	1143/Del/88—170590.
481/Mas/88—171177.	704/Mas/88—170667.	
482/Mas/88—171714.	705/Mas/88—171519.	
483/Mas/88—170187.	711/Mas/88—171727.	
485/Mas/88—171515.	713/Mas/88—171683.	
486/Mas/88—171506.	715/Mas/88—171728.	
487/Mas/88—171590.	757/Mas/88—171439.	
488/Mas/88—171591.	763/Mas/88—170380.	
496/Mas/88—171437.	767/Mas/88—171508.	
497/Mas/88—171671.		
		1989
		5/Cal/89—171206.
		6/Cal/89—171652.
		7/Cal/89—170722.
		11/Cal/89—171543.
		12/Cal/89—170975.
		17/Cal/89—170936.

1989	1989	1989
20/Cal/89—171398.	158/Cal/89—171215.	373/Cal/89—171085.
22/Cal/89—171485.	162/Cal/89—170869.	380/Cal/89—171659.
23/Cal/89—170305.	163/Cal/89—171319.	384/Cal/89—171704.
26/Cal/89—171207.	164/Cal/89—170038.	387/Cal/89—170237.
30/Cal/89—171611.	168/Cal/89—171694.	388/Cal/89—171696.
32/Cal/89—171231.	169/Cal/89—170844.	392/Cal/89—171549.
35/Cal/89—171316.	174/Cal/89—170937.	395/Cal/89—171040.
36/Cal/89—171653.	175/Cal/89—170929.	397/Cal/89—171139.
38/Cal/89—170723.	182/Cal/89—171061.	398/Cal/89—170978.
41/Cal/89—171209.	185/Cal/89—170930.	400/Cal/89—171097.
43/Cal/89—170258.	197/Cal/89—171372.	406/Cal/89—171066.
45/Cal/89—170236.	200/Cal/89—170726.	417/Cal/89—171550.
46/Cal/89—171208.	201/Cal/89—170730.	418/Cal/89—171233.
47/Cal/89—171083.	203/Cal/89—171232.	424/Cal/89—170938.
49/Cal/89—171306.	205/Cal/89—171476.	431/Cal/89—171210.
54/Cal/89—171038.	209/Cal/89—171317.	435/Cal/89—171153.
55/Cal/89—170928.	212/Cal/89—171318.	441/Cal/89—171705.
57/Cal/89—171371.	213/Cal/89—171424.	446/Cal/89—171557.
58/Cal/89—171471.	220/Cal/89—171525.	450/Cal/89—171374.
62/Cal/89—170724.	221/Cal/89—171605.	451/Cal/89—171697.
64/Cal/89—170807.	223/Cal/89—170977.	467/Cal/89—170260.
66/Cal/89—171551.	230/Cal/89—171553.	484/Cal/89—171558.
67/Cal/89—170795.	232/Cal/89—170808.	489/Cal/89—171477.
70/Cal/89—170976.	234/Cal/89—170845.	491/Cal/89—171743.
72/Cal/89—171742.	238/Cal/89—171445.	507/Cal/89—170889.
77/Cal/89—171654.	239/Cal/89—170176.	515/Cal/89—171447.
79/Cal/89—171213.	242/Cal/89—171062.	520/Cal/89—171478.
83/Cal/89—170796.	246/Cal/89—171554.	522/Cal/89—171479.
86/Cal/89—171552.	250/Cal/89—171555.	523/Cal/89—171698.
87/Cal/89—171486.	257/Cal/89—170727.	527/Cal/89—170939.
91/Cal/89—171444.	261/Cal/89—171320.	530/Cal/89—171559.
93/Cal/89—171095.	262/Cal/89—171397.	599/Cal/89—171699.
95/Cal/89—170887.	264/Cal/89—171556.	601/Cal/89—171480.
96/Cal/89—171396.	269/Cal/89—171429.	610/Cal/89—171527.
101/Cal/89—171009.	273/Cal/89—170177.	612/Cal/89—171234.
106/Cal/89—170868.	274/Cal/89—171308.	619/Cal/89—170940.
107/Cal/89—171472.	277/Cal/89—171152.	626/Cal/89—171528.
108/Cal/89—171473.	279/Cal/89—171063.	650/Cal/89—170799.
109/Cal/89—170259.	284/Cal/89—171216.	674/Cal/89—171560.
110/Cal/89—171096.	295/Cal/89—170728.	680/Cal/89—170800.
117/Cal/89—171214.	298/Cal/89—171656.	709/Cal/89—171489.
118/Cal/89—171487.	299/Cal/89—171138.	724/Cal/89—169960.
121/Cal/89—171474.	302/Cal/89—171064.	733/Cal/89—170238.
126/Cal/89—170725.	304/Cal/89—171526.	736/Cal/89—169870.
128/Cal/89—171475.	309/Cal/89—171446.	739/Cal/89—171660.
134/Cal/89—170175.	313/Cal/89—171657.	754/Cal/89—171529.
135/Cal/89—171373.	314/Cal/89—171658.	768/Cal/89—171744.
138/Cal/89—171544.	315/Cal/89—170729.	774/Cal/89—169869.
139/Cal/89—171693.	318/Cal/89—171084.	775/Cal/89—169868.
140/Cal/89—170888.	330/Cal/89—171039.	778/Cal/89—169867.
141/Cal/89—171545.	332/Cal/89—171702.	779/Cal/89—170239.
142/Cal/89—171546.	338/Cal/89—171703.	817/Cal/89—170606.
143/Cal/89—171547.	347/Cal/89—171488.	818/Cal/89—170607.
144/Cal/89—171548.	350/Cal/89—170798.	819/Cal/89—170608.
150/Cal/89—170797.	351/Cal/89—171065.	820/Cal/89—170609.
151/Cal/89—171655.	352/Cal/89—171612.	822/Cal/89—171425.
152/Cal/89—171307.		

1989	1989	1989
841/Cal/89—170178.	220/Bom/89—171321.	512/Mas/89—170047.
851/Cal/89—170039.	222/Bob/89—170612.	513/Mas/89—170048.
861/Cal/89—171706.	230/Bom/89—171182.	518/Mas/89—170158.
862/Cal/89—171375.	231/Bom/89—170613.	527/Mas/89—170049.
893/Cal/89—171613.	243/Bom/89—170489.	532/Mas/89—170159.
897/Cal/89—170870.	244/Bom/89—170992.	534/Mas/89—170418.
937/Cal/89—171614.	245/Bom/89—170490.	556/Mas/89—170160.
949/Cal/89—171615.	246/Bom/89—171123.	559/Mas/89—170212.
955/Cal/89—170306.	247/Bom/89—170614.	566/Mas/89—170050.
972/Cal/89—170179.	248/Bom/89—170615.	577/Mas/89—170331.
1/Bom/89—169912.	249/Bom/89—170993.	578/Mas/89—170332.
14/Bom/89—169913.	250/Bom/89—170616.	579/Mas/89—170333.
36/Bom/89—171067.	251/Bom/89—170702.	581/Mas/89—170130.
37/Bom/89—170133.	262/Bom/89—170495.	589/Mas/89—170213.
39/Bom/89—169915.	263/Bom/89—170703.	616/Mas/89—170400.
43/Bom/89—169914.	264/Bom/89—170496.	617/Mas/89—170188.
55/Bom/89—170134.	265/Bom/89—171573.	643/Mas/89—170189.
57/Bom/89—170591.	266/Bom/89—171532.	644/Mas/89—170190.
69/Bom/89—169916.	269/Bom/89—170478.	650/Mas/89—170262.
74/Bom/89—169917.	272/Bom/89—171124.	658/Mas/89—170281.
75/Bom/89—169918.	274/Bom/89—170617.	664/Mas/89—170419.
80/Bom/89—170135.	275/Bom/89—170594.	665/Mas/89—170261.
81/Bom/89—170136.	278/Bom/89—170704.	669/Mas/89—171030.
90/Bom/89—169919.	279/Bom/89—170994.	740/Mas/89—170300.
92/Bom/89—169920.	283/Bom/89—171070.	741/Mas/89—170282.
99/Bom/89—170481.	289/Bom/89—171125.	742/Mas/89—170283.
109/Bom/89—171069.	292/Bom/89—170705.	758/Mas/89—170549.
110/Bom/89—170493.	296/Bom/89—170497.	769/Mas/89—170284.
112/Bom/89—170471.	298/Bom/89—171126.	802/Mas/89—170669.
113/Bom/89—170472.	303/Bom/89—170498.	822/Mas/89—170558.
115/Bom/89—170137.	305/Bom/89—171183.	823/Mas/89—170559.
118/Bom/89—170482.	308/Bom/89—170706.	833/Mas/89—170560.
119/Bom/89—170483.	321/Bom/89—170995.	867/Mas/89—170285.
125/Bom/89—170138.	322/Bom/89—170707.	868/Mas/89—170820.
128/Bom/89—170473.	323/Bom/89—170479.	909/Mas/89—170420.
135/Bom/89—170484.	339/Bom/89—171322.	913/Mas/89—170286.
138/Bom/89—171068.	340/Bom/89—171292.	925/Mas/89—170287.
139/Bom/89—170485.	343/Bom/89—171561.	928/Mas/89—170288.
147/Bom/89—170486.	350/Bom/89—170996.	929/Mas/89—170682.
148/Bom/89—170487.	354/Bom/89—171127.	950/Mas/89—170670.
152/Bom/89—171572.	355/Bom/89—170708.	952/Mas/89—170289.
163/Bom/89—171751.	9/Mas/89—171510.	12/Del/89—170656.
164/Bom/89—170494.	29/Mas/89—171458.	73/Del/89—170657.
169/Bom/89—171531.	51/Mas/89—171731.	148/Del/89—170390.
171/Bom/89—170139.	122/Mas/89—171459.	153/Del/89—170658.
177/Bom/89—170474.	149/Mas/89—170698.	200/Del/89—170440.
184/Bom/89—170611.	170/Mas/89—171732.	235/Del/89—170169.
185/Bom/89—170592.	172/Mas/89—171027.	283/Del/89—170907.
188/Bom/89—170593.	175/Mas/89—171460.	284/Del/89—170908.
192/Bom/89—171121.	177/Mas/89—169901.	382/Del/89—170170.
204/Bom/89—170475.	223/Mas/89—170990.	389/Del/89—170659.
205/Bom/89—170991.	228/Mas/89—171688.	415/Del/89—170080.
208/Bom/89—170488.	233/Mas/89—171280.	462/Del/89—170838.
212/Bom/89—171181.	387/Mas/89—170044.	480/Del/89—170909.
214/Bom/89—171291.	388/Mas/89—170045.	486/Del/89—170839.
219/Bom/89—171122.	508/Mas/89—170046.	519/Del/89—170760.

1989	1990	1990
588/Del/89—170441.	529/Cal/90—171158.	77/Bom/90—170245.
734/Del/89—170660.	534/Cal/90—171427.	79/Bom/90—170246.
1043/Del/89—170910.	542/Cal/90—170679.	86/Bom/90—171753.
1044/Del/89—170915.	549/Cal/90—171449.	87/Bom/90—171295.
1045/Del/89—170916.	550/Cal/90—171426.	91/Bom/90—170999.
1099/Del/89—170917.	582/Cal/90—170848.	92/Bom/90—171129.
1100/Del/89—171290.	591/Cal/90—171399.	102/Bom/90—171754.
1101/Del/89—170918.	595/Cal/90—170310.	105/Bom/90—171563.
1102/Del/89—170919.	687/Cal/90—170979.	106/Bom/90—171535.
1103/Del/89—170920.	710/Cal/90—170649.	109/Bom/90—170247.
	711/Cal/90—170650.	110/Bom/90—171755.
1990	734/Cal/90—171218.	117/Bom/90—171536.
08/Cal/90—170307.	742/Cal/90—170680.	118/Bom/90—171575.
09/Cal/90—170956.	801/Cal/90—171237.	119/Bom/90—170598.
13/Cal/90—169866.	802/Cal/90—171238.	123/Bom/90—171000.
30/Cal/90—170673.	805/Cal/90—171239.	124/Bom/90—170618.
32/Cal/90—170308.	807/Cal/90—170849.	135/Bom/90—170248.
57/Cal/90—169865.	808/Cal/90—171240.	142/Bom/90—171296.
58/Cal/90—171154.	821/Cal/90—171745.	143/Bom/90—171323.
80/Cal/90—169864.	827/Cal/90—170149.	152/Bom/90—171184.
81/Cal/90—170957.	899/Cal/90—171219.	156/Bom/90—170619.
90/Cal/90—170240.	907/Cal/90—171746.	157/Bom/90—170499.
91/Cal/90—170958.	914/Cal/90—170890.	160/Bom/90—171324.
105/Cal/90—170180.	919/Cal/90—170150.	165/Bom/90—171185.
106/Cal/90—170090.	921/Cal/90—171616.	171/Bom/90—171297.
107/Cal/90—170144.	930/Cal/90—171700.	173/Bom/90—171186.
109/Cal/90—170809.	952/Cal/90—171530.	178/Bom/90—170599.
135/Cal/90—171707.	957/Cal/90—171428.	180/Bom/90—171756.
143/Cal/90—169863.	990/Cal/90—171309.	181/Bom/90—171564.
144/Cal/90—170145.	998/Cal/90—170960.	183/Bom/90—170620.
147/Cal/90—170040.	1015/Cal/90—171310.	184/Bom/90—171537.
176/Cal/90—170146.	1019/Cal/90—171450.	185/Bom/90—171538.
184/Cal/90—169862.	1033/Cal/90—171747.	191/Bom/90—171187.
185/Cal/90—170846.	1040/Cal/90—171748.	193/Bom/90—170600.
197/Cal/90—171217.	1043/Cal/90—171749.	197/Bom/90—171539.
198/Cal/90—170959.	1060/Cal/90—171159.	198/Bom/90—170250.
200/Cal/90—170309.	1065/Cal/90—170850.	203/Bom/90—171325.
238/Cal/90—171098.	9/Bom/90—171293.	204/Bom/90—171326.
254/Cal/90—170674.	10/Bom/90—170241.	209/Bom/90—170500.
267/Cal/90—170147.	11/Bom/90—171128.	210/Bom/90—171071.
280/Cal/90—169930.	12/Bom/90—170242.	211/Bom/90—171130.
312/Cal/90—170675.	19/Bom/90—171752.	225/Bom/90—171757.
313/Cal/90—171155.	23/Bom/90—171294.	227/Bom/90—171188.
314/Cal/90—171010.	38/Bom/90—170243.	229/Bom/90—171072.
337/Cal/90—170676.	40/Bom/90—171574.	240/Bom/90—171565.
346/Cal/90—171490.	44/Bom/90—170244.	243/Bom/90—171576.
349/Cal/90—170847.	49/Bom/90—171562.	246/Bom/90—170140.
366/Cal/90—170148.	50/Bom/90—170709.	248/Bom/90—171577.
367/Cal/90—170677.	51/Bom/90—170997.	255/Bom/90—171566.
429/Cal/90—171448.	53/Bom/90—171533.	259/Bom/90—171758.
448/Cal/90—171156.	55/Bom/90—170595.	260/Bom/90—171759.
453/Cal/90—171140.	63/Bom/90—170998.	268/Bom/90—171578.
474/Cal/90—170810.	65/Bom/90—171534.	275/Bom/90—171073.
476/Cal/90—170678.	66/Bom/90—170710.	288/Bom/90—171327.
491/Cal/90—171157.	67/Bom/90—170596.	289/Bom/90—171328.
509/Cal/90—171708.	76/Bom/90—170597.	304/Bom/90—171329.
		305/Bom/90—171579.

1990	1990	1991
311/Bom/90—171074.	645/Mas/90—171598.	145/Cal/91—171617.
318/Bom/90—171189.	646/Mas/90—171599.	146/Cal/91—171618.
333/Bom/90—171580.	647/Mas/90—171600.	151/Cal/91—171750.
338/Bom/90—171190.	648/Mas/90—171601.	163/Cal/91—171086.
346/Bom/90—171298.	684/Mas/90—171029.	365/Cal/91—171619.
8/Mas/90—170311.	692/Mas/90—171689.	697/Cal/91—171620.
29/Mas/90—170312.	743/Mas/90—171602.	5/Bom/91—171299.
64/Mas/90—170313.	744/Mas/90—171603.	8/Bom/91—171300.
68/Mas/90—170267.	745/Mas/90—171604.	15/Bom/91—171330.
79/Mas/90—170314.	750/Mas/90—171605.	23/Bom/91—171075.
122/Mas/90—170315.	756/Mas/90—171496.	91/Bom/91—171076.
151/Mas/90—170316.	757/Mas/90—171497.	131/Bom/91—171567.
215/Mas/90—170317.	768/Mas/90—171606.	154/Bom/91—171568.
235/Mas/90—170318.	784/Mas/90—171607.	193/Bom/91—171540.
247/Mas/90—170319.	851/Mas/90—171608.	205/Bom/91—171569.
250/Mas/90—170540.	852/Mas/90—171609.	206/Bom/91—171570.
269/Mas/90—170550.	925/Mas/90—171498.	271/Bom/91—171760.
327/Mas/90—170683.	943/Mas/90—171733.	39/Mas/91—171690.
378/Mas/90—170790.	946/Mas/90—171499.	46/Mas/91—171735.
401/Mas/90—171495.	950/Mas/90—171500.	66/Mas/91—171736.
418/Mas/90—170699.	957/Mas/90—171610.	125/Mas/91—170898.
426/Mas/90—170689.	991/Mas/90—170700.	174/Mas/91—170899.
431/Mas/90—171594.	1030/Mas/90—171734.	221/Mas/91—170900.
455/Mas/90—170320.	487/Del/90—170840.	227/Mas/91—171730.
471/Mas/90—171028.		283/Mas/91—171737.
490/Mas/90—171595.	1991	326/Mas/91—171738.
494/Mas/90—170690.	5/Cal/91—171160.	607/Mas/91—171739.
495/Mas/90—171596.	7/Cal/91—171709.	629/Mas/91—171740.
559/Mas/90—171597.	61/Cal/91—170980.	1992
578/Mas/90—170789.	82/Cal/91—171430.	203/Cal/92—171710.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Sec. 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration included in the entries :

Class 1. No. 166190. Creeks, a French Body of 37-39, Rue Pleyel, 93200 Saint Denis, France. "Writing Implements". September 17, 1993.

Class 1. 165577. Creations, Indian Proprietary Firm of Krishna Bhuwan, 4th floor, 146, Dr. Viegas St., Bombay-400002, Maharashtra, India. "Ball Pen". April 23, 1993.

Class 1. No. 165806. Standipack Pvt. Ltd. of 25, Community Centre, East of Kailash, New Delhi-110065, India, Indian Co. "Pouch". June 28, 1993.

Class 1. No. 165637. Achal Anil Bakeri, Indian National of 13, Sadma Society, Navrangpura, Ahmedabad-380009, Gujarat, India. "Air Cooler". May 12, 1993.

Class 1. No. 165909. Sajavat, Proprietary Firm of 210, Golf Links, New Delhi-110003, India. "Cabinete Bar". July 21, 1993.

Class 1. No. 164998. Mil'on Plastics Ltd. of 58D, Government Industrial Estate, Charkop, Kandivili (West), Bombay-400067, Maharashtra, India. "Insulated feeding bottle carrier". November 17, 1992.

Class 1. No. 165639. Achal Anil Bakeri, Indian National, of 13, Sadma Society, Navrangpura, Ahmedabad-380009, Gujarat, India. "Air Cooler" May 12, 1993.

Class 1. No. 165638. Achal Anil Bakeri, Indian National, of 13, Sadma Society, Navrangpura, Ahmedabad-380009, Gujarat, India. "Air Cooler". May 12, 1993.

Class 1. No. 165617. Time Packing Ltd. of 604, Vishwanank, ICT Link Road, Chakala, Andheri (E), Bombay-400099, Maharashtra, India, Indian Company. "Drum". May 7, 1993.

Class 1. No. 165397. The Gillette Company of Prudential Tower Bldg., Boston, Massachusetts, U.S.A. "Razor Handle". March 3, 1993.

Class 1. No. 165456. West Coast Products Pvt. Ltd. of A-61, 'Kaveri', 63, Relief Road, Malad (W), Bombay-400064, Maharashtra, India. "Bottle". March 23, 1993.

R. A. ACHARYA
Controller General of Patents, Designs
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एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1994

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